

TECHNICAL SHEET

B1244	PLATE COUNT AGAR WITH BCP					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		5.00				
Yeast extract		2.50				
Dextrose		1.00				
Polysorbate 80 (Tween 80)		1.00				
L-Cysteine		0.10				
Bromo cresol purple		0.04				
Agar		15.00				
Final pH (at 25°C) : 6.8 ± 0.2						
Directions :						
Suspend 24.64 grams in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Peptic digest of animal tissue supply nitrogenous and carbonaceous compounds. Yeast extract provides vitamin B complex and dextrose is the fermentable carbohydrate and energy source. Bromocresol purple is a pH indicator. Plate Count Agar can be incubated at 30°C for upto 72 hours for detection of mesophilic organisms. Polysorbate 80 supplies fatty acids required for the metabolism of lactobacilli.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light yellow to light green				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.8 ± 0.2				
Colour (post autoclaving/heating) :		Purple				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 – 48 hrs at 35 - 37°C						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus acidophilus(4356)		luxuriant				
Lactobacillus lactis(19435)		luxuriant				
Lactobacillus bulgaricus (11842)		luxuriant				
Streptococcus thermophilus (11485)		luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :		It is used for enumeration of Lactobacilli in cultured milk, yoghurt and sour creams				
Storage :		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1244		24.64 g/l	20.29 L	6.8 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARK LABORATORIES publications. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.